

PAT-NO: JP410276961A
DOCUMENT-IDENTIFIER: JP 10276961 A
TITLE: SHOE WASHING METHOD AND DETERGENT
PUBN-DATE: October 20, 1998

INVENTOR-INFORMATION:

NAME COUNTRY
WATANABE, KOICHIRO

ASSIGNEE-INFORMATION:

NAME COUNTRY
KK ARU GUREI N/A

APPL-NO: JP09102428
APPL-DATE: April 7, 1997

INT-CL (IPC): A47L023/00 , C11D003/382 , C11D007/44

ABSTRACT:

PROBLEM TO BE SOLVED: To enable to remove not only dirt on a shoe without harming the shoe but also an odor and fungi adhere, by spraying a water microdrop detergent into the shoe by pressure.

SOLUTION: A detergent without causing allergy, etc., is developed using vegetable materials and made into water microparticles and is pressurized to be sprayed in a shoe to be washed. A gel detergent with strong agitation resistance is developed and is applied by a brush or made into water microparticles and pressurized to be sprayed to a shoe for washing. Ozone air is used for drying, fungi elimination, and sterilization and acidic ozone water is also used for increasing the sterilizing effect. The combined action of sweat removing and deodorizing effect of ozone air is utilized for deodorizing. Since the detergent reaches all around the inside of a shoe in a short time to shorten the working time thereby, it is enabled to finish the work before the detergent penetrate into the inner core of a shoe to prevent deforming and harming of the shoe.

COPYRIGHT: (C)1998,JPO